**Tripp Lite**
1111 West 35th Street
Chicago, IL 60609 USA
Telephone: +(773) 869 1234
E-mail: saleshelp@tripplite.com

# Model #: SU8000RT3UG

## SmartOnline Expandable Rack/Tower UPS System - Online, double-conversion protection for mission-critical applications

### Highlights

- Global 8000VA (8kVA) on-line 6U rack/tower UPS with expandable runtime (3U power module + 3U battery pack)
- Zero transfer time, on-line, double-conversion and economy-mode operation supported
- Detachable PDU with manual bypass switch enables hot-swap UPS replacement without powering off connected loads
- 200, 208, 230 or 240V selectable input/output voltage, with hardwire input and six individually breakered C19 outlets
- 2% output voltage regulation over an input voltage range of 156 to 296
- Simultaneous-use RS232 and contact closure monitoring ports, SNMP/Web Card Slot and EPO interfaces
- $250,000 Ultimate LIfetime Insurance (USA, Puerto Rico & Canada only)

### Description

Global 8000VA (8kVA) on-line, double-conversion UPS system for critical server, network and telecommunications equipment. Installs in only 6 rack spaces (3U power module and 3U battery pack). Worldwide shipping version with 6 C19 outlets. Maximum installed rack depth of 32.5 in. Expandable battery runtime with optional external battery packs. Full-time sine wave 200, 208, 220, 230, or 240V +/-2% output. Actively converts raw incoming AC power to DC, then re-converts output back to completely regulated, filtered AC output. Operates continuously without using battery power during brownouts to 156V and overvoltages to 276V. Standard 3-wire 208V hardwire input connection; 6 individually breakered C19 output receptacles. Detachable input-output PDU module with manual bypass switch enables hot-swap UPS replacement without disrupting power to connected equipment. Network-grade AC surge and noise suppression. Zero transfer time between AC and battery operation. Network management interfaces support communications via RS-232, contact-closure port and optional SNMPWEBCARD slot. Supports detailed monitoring of equipment load levels, self-test data and utility power conditions via network interfaces. Includes PowerAlert monitoring software and complete cabling. Emergency Power Off (EPO) interface. Front panel LEDs offer at-a-glance confirmation of line power status, battery power status, AC-to-DC conversion, DC-to-AC conversion, bypass mode and output power status. LCD panel with scroll buttons offers detailed diagnostic test information at startup and during self tests, plus real-time data on input and output voltage, frequency (Hz), load percentage and battery charge level. LED/LCD display panel easily rotates for viewing in rackmount or tower configurations. Audible alarm. Self-test. Fault-tolerant auto-bypass mode. 4-post rackmount accessories and 2-9USTAND tower kit included; 2POSTRMKITWM 2-post rackmount hardware accessories available. Field replaceable, hot-swappable power module and external battery packs. Attractive all-black color scheme. 2-year warranty and $250,000connected equipment insurance; extended warranty and service contracts available.

Applications

- Ideal for protection of sensitive electronics in any application calling for upright tower or 19 inch rackmount UPS protection. Common applications include any mix of servers, workstations, hubs, routers, concentrators, IP telephony and traditional PBX switching systems

- Global C19 outlet configuration allows a single UPS model to be specified for worldwide use.

Package Includes

- 3U power module with detachable hot-swap PDU input/output panel and bypass switch
- 3U external battery pack
- Two sets of 4 post rackmount rails (one for each of the 3U components)
- One set of tower stands for upright tower configuration
- PowerAlert software, complete data cabling, user manual with warranty information

## Features

- Global 8,000 VA (8kVA) on-line, double-conversion UPS system (High voltage input/High voltage output)
- Detachable input-output PDU module with manual bypass switch enables hot-swap UPS replacement without powering off connected equipment
- Installs in only 6 rack spaces (3U power module/3U battery pack) with a maximum installed depth of 32.5 inches
- Offers 6 min. runtime at full load (8000VA/6400W) and 15 min. at half load (4000VA/3200W). Runtime is expandable with any number of optional external battery packs
- Full-time sine wave 200, 208, 220, 230, or 240V +/-2% output (user selectable)
- Actively converts raw incoming AC power to DC, then re-converts output back to completely regulated, filtered AC output
- Operates continuously without using battery power during brownouts to 156V and overvoltages to 276V
- Standard 3-wire 208V hardwire input connection
- 6 individually breakered C19 outlets
- Detailed LCD panel with scroll buttons offers detailed diagnostic test information on startup and during self tests, plus real-time data on input and output voltage, frequency (Hz), load percentage, battery charge level and more
- Network-grade AC surge and noise suppression
- Zero transfer time between AC and battery operation
- Network management interfaces support communications via RS-232, contact-closure port and optional SNMPWEBCARD slot
- Supports detailed monitoring of equipment load levels, self-test data and mains power conditions via network interfaces. Includes PowerAlert monitoring software and complete cabling
- Emergency Power Off (EPO) interface
- Front panel LEDs offer at-a-glance confirmation of line power status, battery power status, AC-to-DC & DC-to-AC conversion, bypass mode and output power status.
- Fault-tolerant auto-bypass mode prevents loss of output during UPS fault conditions or excessive UPS loading
- 4-post rackmount and upright tower installation accessories included. 2POSTRMKITWM two post rackmount hardware accessories available
- Field replaceable, hot swappable power module and external battery packs
- Attractive all-black color scheme
- 2-year warranty; $250,000 connected equipment insurance
- Extended warranty and service contracts available

## Specifications

| | |
|---|---|
| **SYSTEM OVERVIEW** | |
| **Voltage compatibility** | 208V AC (200/208/220/230/240V) |
| **Frequency compatibility** | 50/60 Hz |
| **OUTPUT** | |
| **Output VA** | 8000 |
| **Output watts** | 6400 |
| **Output nominal voltage** | 208V AC (200/208/220/230/240V) |
| **Output voltage regulation** | Maintains pure sine wave output at all times, regulated within 2% of selected nominal output voltage, less than 3% total harmonic distortion when used with computer loads |
| **Output frequency regulation** | Regulates line frequency to 50/60Hz +/- 0.05Hz |
| **Outlet quantity / type** | 6 individually breakered C19 outlets |

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|---|---|
| **INPUT** | |
| **Maximum input amps** | 200V - 38A / 208V - 36A / 220V - 34A / 230V - 33A / 240V - 32A |
| **Input connection type** | Hardwire |
| **BATTERY** | |
| **Full load runtime** | 6 min. (8000VA/6400W) |
| **Half load runtime** | 15 min. (4000VA/3200W) |
| **Expandable battery runtime** | Runtime is expandable with optional external battery packs |
| **Connects to UPS via** | Included 3-wire DC cable |
| **DC system voltage** | 240VDC |
| **Typical battery lifespan** | 4-6 years |
| **Battery recharge rate** | Less than 8 hours to 90% (included battery set only) |
| **VOLTAGE REGULATION** | |
| **Voltage regulation description** | On-line, double-conversion process give this UPS the ability to maintain output voltage within +/-2% of selected nominal voltage at all times |
| **Overvoltage correction** | Maintains continuous operation without using battery power during overvoltages to 276V AC, regulating output within 2% of selected nominal |
| **Brownout correction** | Maintains continuous operation without using battery power during brownout / undervoltage conditions to 156V AC, regulating output within 2% of selected nominal |
| **LEDS ALARMS & SWITCHES** | |
| **Front panel LEDs** | 6 LED DISPLAY: line power, bypass, inverter, charger, output AC and battery operation. LED/LCD display panel easily rotates for viewing in rackmount or tower configurations. |
| **Alarms** | Multi-function audible alarm offers notification of UPS start, backup operation, low battery, overload, UPS fault, inverter fault, DC bus fault, overtemperature, remote shutdown, shutdown imminent and shutdown complete |
| **Switches** | Includes main power off/on switch, plus 2 switches to set and execute scrollable LCD functions |
| **SURGE / NOISE SUPPRESSION** | |
| **AC suppression response time** | Instantaneous |
| **EMI / RFI AC noise suppression** | Yes |
| **PHYSICAL** | |
| **Shipping weight (lbs)** | 336 |
| **Shipping weight (kg)** | 152.5 |
| **Shipping Dimensions (HWD/in)** | 42 x 33.5 x 23 |
| **Shipping Dimensions (HWD/cm)** | 106.7 x 85.1 x 58.4 |
| **Unit weight (lbs)** | Power Module 55 lbs., Battery Pack: 136.5 lbs. |
| **Unit weight (kg)** | Power Module 25 kg., Battery Pack: 62 kg |
| **Unit Dimensions (HWD/in)** | Power Module 5.14 x 17.5 x 25, Battery Pack 5.16 x 17.5 x 25 (Installed depth of power module extends to 32.5 inches once detachable PDU backplate is installed) |
| **Unit Dimensions (HWD/cm)** | Power Module 13.3 x 44.4 x 63.5, Battery Pack 13.4 x 40.6 x 63.5 (Installed depth of power module extends to 82.6 cm once detachable PDU backplate is installed) |
| **Material of construction** | Steel |
| **Form factors supported** | Rack (6U) |
| **Cooling method** | Fan |

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| **Battery Access** | User replaceable, hot swappable external battery pack |
| **ENVIRONMENTAL** | |
| **Relative Humidity** | 0 to 95%, non-condensing |
| **Storage Temperature** | +5 to +122 degrees Fahrenheit |
| **Operating Temperature** | +32 to +104 degrees Fahrenheit |
| **Line mode BTU/hr. (Max.)** | 2160 btu/hr. |
| **COMMUNICATIONS** | |
| **Network monitoring port** | Includes 2 built-in DB9 monitoring ports (1-RS232 / 1-contact closure) |
| **Software and cabling included** | Includes PowerAlert UPS monitoring software for all common network and standalone operating systems. Cabling included. |
| **SNMP compatibility** | Built-in accessory slot accommodates internal SNMP / Web card and other network accessories |
| **WatchDog compatibility** | Yes, compatible with Tripp Lite's Watchdog system service to restore operation to locked equipment through soft reboot of application / OS or hard power off/on reboot of connected equipment—ideal for unattended kiosk applications |
| **LINE / BATTERY TRANSFER** | |
| **Transfer time from line power to battery mode** | Zero, online UPS continuously converts incoming AC to DC, then back to AC. When line power is interrupted, UPS maintains continuous output from battery reserves with absolutely no disruption in output AC power. |
| **Low voltage transfer to battery power** | Maintains continuous operation during undervoltages as low as 156VAC. Below this point, output is maintained utilizing battery reserves. |
| **High voltage transfer to battery power** | Maintains continuous operation during overvoltages to 276V AC. Above this point, output is maintained utilizing battery reserves. |
| **SPECIAL FEATURES** | |
| **EPO port** | Includes dedicated EPO (emergency power off) interface and cabling |
| **Cold Start** | Yes, inverter can be "cold started" to enable temporary AC output during a power failure |
| **Appearance** | Attractive all-black color scheme |
| **BATTERY PACK ACCESSORY (optional)** | |
| **Battery Pack Accessory (optional)** | BP240V10RT3U, BP240V557C-1PH, BP240V787C-1PH, BP240V1037C-1PH, BP240V1407C-1PH |
| **CERTIFICATIONS** | |
| **Certifications** | Tested to UL1778 (USA), CSA (Canada), CE (European Union), NOM (Mexico), Class A (Emissions), ROHS Compliant |
| **WARRANTY** | |
| **Product Warranty Period** | 2 year product warranty |
| **Connected Equipment Coverage** | $250,000 connected equipment insurance (USA, Canada and Puerto Rico only) |
| **Optional Coverage** | 3 year, 5 year, next day and on-site warranty coverage available for select opportunities - contact Tripp Lite |

## Related Items

| **External Battery Packs** | | |
|---|---|---|
| BP240V10RT3U | BP240V10RT3U - External Battery Pack for UPS System | Qty: [optional] |
| BP240V557C-1PH | External battery pack for use with select Tripp Lite UPS Systems | Qty: [optional] |
| BP240V787C-1PH | External battery pack for use with select Tripp Lite UPS Systems | Qty: [optional] |
| BP240V1407C-1PH | External battery pack for use with select Tripp Lite UPS Systems | Qty: [optional] |
| BP240V1037C-1PH | External battery pack for use with select Tripp Lite UPS Systems | Qty: [optional] |

| Power Distribution | | |
|---|---|---|
| PDUNV | Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment | Qty: [optional] |
| PDUMV20HV | Metered 0U Vertical Rack PDU - Metered Power Distribution Unit for Network Applications | Qty: [optional] |
| PDUMV20HVNET | Switched, Metered PDU with Remote Monitoring - 0U Vertical Rackmount Power Distribution Unit for Networks with Individually Switchable Outlets, Current Metering, Remote Monitoring and Control | Qty: [optional] |

| Rackmount/Wallmount Kits | | |
|---|---|---|
| 2POSTRMKITWM | Two Post Rackmount / Wallmount Kit - buy 1 for each power module and battery pack | Qty: [optional] |

| Shutdown Cable Kits | | |
|---|---|---|
| AS400CABLE KIT | Power Management Tools - UPS Communication Cable Kit for System i / AS400 / iSeries Servers | Qty: [optional] |

| SNMP Accessories | | |
|---|---|---|
| ENVIROSENSE | Power Management Tools - Environmental Sensor | Qty: [optional] |
| SNMPWEBCARD | Power Management Tools - Internal SNMP/Web Card | Qty: [optional] |

| Start-Up/Warranty Services | | |
|---|---|---|
| WEXT3-SU8000 | 3-Year Extended Warranty- 1-year extension of standard 2-year warranty | Qty: [optional] |
| WEXT5-SU8000 | 5-Year Extended Warranty- 3-year extension of standard 2-year warranty | Qty: [optional] |
| W02-BW0 | Regular business hours start-up, excludes on-site warranty. | Qty: [optional] |
| W02-BW2-1BD | Regular business hours start-up and two year on-site, next business day break/fix warranty service for locations within 350 miles of a covered service area. | Qty: [optional] |
| W02-BW2-247 | Regular business hours start-up and two year on-site, 24-by-7 break/fix warranty service for locations within 250 miles of a covered service area. | Qty: [optional] |
| W02-BW3-1BD | Regular business hours start-up and three year on-site, next business day break/fix warranty service for locations within 350 miles of service area. | Qty: [optional] |
| W02-BW3-247 | Regular business hours start-up and three year on-site, 24-by-7 break/fix warranty service for locations within 250 miles of service area. | Qty: [optional] |
| W02-EW0 | Evening or weekend hours start-up, excludes on-site warranty. | Qty: [optional] |
| W02-EW2-1BD | Evening or weekend hours start-up and two year on-site, next business day break/fix warranty service for locations within 350 miles of service area. | Qty: [optional] |
| W02-EW2-247 | Evening or weekend hours start-up and two year on-site, 24-by-7 break/fix warranty service for locations within 250 miles of service area. | Qty: [optional] |
| W02-EW3-1BD | Evening or weekend hours start-up and three year on-site, next business day break/fix warranty service for locations within 350 miles of service area. | Qty: [optional] |
| W02-EW3-247 | Evening or weekend hours start-up and three year on-site, 24-by-7 break/fix warranty service for locations within 250 miles of service area. | Qty: [optional] |
| W02-BW1-1BD | Regular business hours start-up and one year on-site, next business day break/fix warranty service for locations within 350 miles of a covered service area. | Qty: [optional] |
| W02-BW1-247 | Regular business hours start-up and one year on-site, 24-by-7 break/fix warranty service for locations within 250 miles of a covered service area. | Qty: [optional] |
| W02-EW1-1BD | Evening or weekend hours start-up and one year on-site, next business day break/fix warranty service for locations within 350 miles of service area. | Qty: [optional] |
| W02-EW1-247 | Evening or weekend hours start-up and one year on-site, 24-by-7 break/fix warranty service for locations within 250 miles of service area. | Qty: [optional] |

| Tower Stands | | |
|---|---|---|
| 2-9USTAND | Tower Stand - Expandable Tower Base Stand UPS Accessory- buy 1 for each 9U worth of rack equipment to be placed in a tower configuration | Qty: [optional] |

More information, including related products, owner's manuals, and additional technical specifications, can be found online at www.tripplite.com/en/products/model.cfm?txtModelID=3898.

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